

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/008787

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B24B37/04 B24B49/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B24B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/18100 A (MOTOROLA INC) 7 March 2002 (2002-03-07) page 4, line 3 - page 6, line 2; figures	1-16
X	EP 1 072 359 A (EBARA CORP) 31 January 2001 (2001-01-31) abstract; figures	1,9
X	US 2002/013007 A1 (HASEGAWA KOICHI ET AL) 31 January 2002 (2002-01-31) abstract; figures	1,9
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 02, 2 April 2002 (2002-04-02) -& JP 2001 284300 A (APPLIED MATERIALS INC), 12 October 2001 (2001-10-12) cited in the application abstract; figures	1,9

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

10 August 2004

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18/08/2004

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0218100	A	07-03-2002	EP 1315598 A2	04-06-2003
			WO 0218100 A2	07-03-2002
			JP 20 04507900 T	11-03-2004
			TW 534854 B	01-06-2003
EP 1072359	A	31-01-2001	JP 20 01038614 A	13-02-2001
			EP 1072359 A2	31-01-2001
			US 6409576 B1	25-06-2002
US 2002013007	A1	31-01-2002	JP 20 02009030 A	11-01-2002
			TW 519699 B	01-02-2003
JP 2001284300	A	12-10-2001	US 20 02016066 A1	07-02-2002
			EP 1118431 A2	25-07-2001
			TW 562718 B	21-11-2003